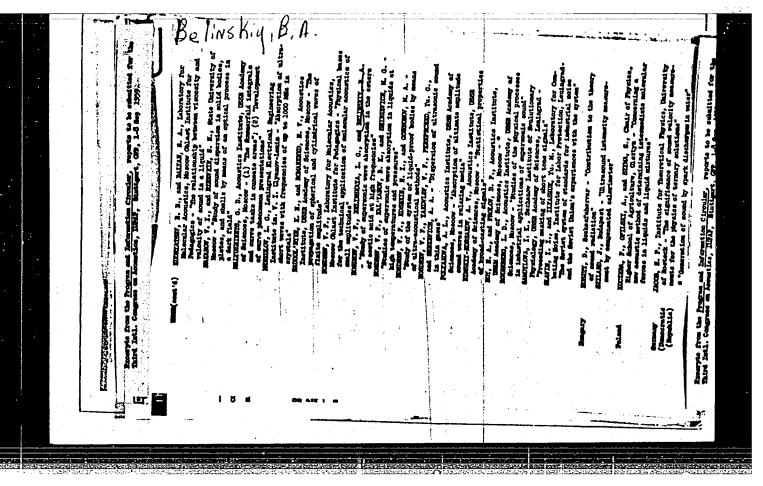
SOV/58-59-5-11493

On the Theory of the Velocity Dispersion and Absorption Coefficient Dispersion of Ultrasonic Waves in Organic Acid Esters

observed in ethyl acetate in the 3 - 30 Mc frequency range and that the observed velocity and absorption coefficient dispersion of ultrasonic waves is determined by dispersion forces. The bibliography contains 6 titles.

B.B. Kudryavtsev

Card 2/2



BELINSKIY, B. A.: Master Phys-Math Sci (diss) -- "Investigation of the absorp - tion of ultrasound in organic liquids by the impulse method at high frequencies".

Moscow, 1959. 17 pp (Moscow Oblast Pedagogical Inst im N. K. Krupskaya) (KL, No 11, 1959, 114)

BELINSKIY B.A.

PHASE I BOOK EXPLOITATION

SOV/5644

Vserossiyskaya konferentsiya professorov i prepodavateley pedagogicheskikh institutov

Primenentye ul' traakustiki k issledovantyu veshchestva. vyp. 10. (Utilization of Ultrasonics for the Investigation of Materials. no. 10) Moscow, Izd-vo MOPI, 1960. 321 p. 1000 copies printed.

Eds.: V. F. Nozdrev, Professor, and B. B. Kudryavtsev, Professor.

PURPOSE: This book is intended for physicists and engineers interested in ultrasonic engineering.

COVERAGE: The collection of articles reviews present-day research in the application of ultrasound in medicine, chemistry, physics, metallurgy, ceramics, petroleum and mining engineering, defectoscopy, and other fields. No personalities are mentioned. References accompany individual articles.

Card 140

26251

1137, 2607

\$/194/61/000/001/018/038 D216/D304

AUTHORS:

24.1800

Belinskaya, L.G. and Belinskiy, B.A.

TITLE:

Energy losses in electrical and acoustical lines of

pulse ultrasonic installations

PERIODICAL:

Referativnyy zhurnal. Avtomatika i radioelektronika, no. 1, 1961, 14, abstract 1 E125 (V Sb. Primeneniye ul'traakust. k issled, veshchestva, no. 10, M.,

1960, 255-263)

The Laboratory of Molecular Acoustics of MONN (MOPI) is investigating the absorption coefficient and the velocity of propagation of ultrasonic waves in liquids in the frequency range from a few to 200 Mc/s. A high-sensitivity receiver is being used, with special matching to eliminate losses between the generator and the receiver. The bloc-diagram of the receiver is given together with the results of measurements and theoretical evaluation of losses in acoustical and electrical lines. The results have confirmed the

Card 1/2

Energy losses...

26251 S/194/61/000/001/018/038 D216/D304

possibility of using the installation with liquids of the ethylacetate type at values of the radiating quartz driving voltage of the order of 10-4 v. The experimental data proves that the perturbation theory can be applied for assessing the results of measurements. 1 figure. 7 references.

Card 2/2

4

8/194/62/000/005/089/157 D222/D309

AUTHORS:

Belinskiy, B.A., Vasil'yev, V.N., Karevskiy, V.A., and

Savinikhina, A.V.

TITLE:

Ultrasound device for the measurement of some standard

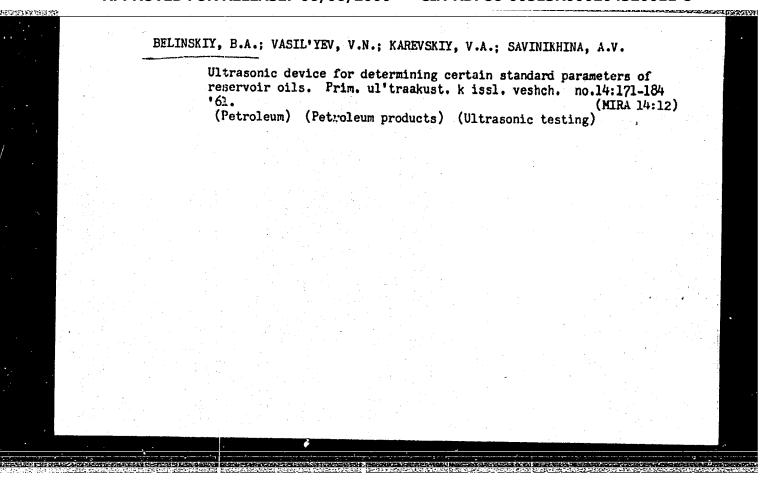
parameters of stratified liquids

PERIODICAL:

Referativnyy zhurnal. Avtomatika i radioelektronika, no. 5, 1962, abstract 5-5-49 shch (V sb. Primeneniye ul'traakust. k issled. veshchestva, no. 14, M., 1961,

171 - 184)

TEXT: A small-sized ultrasound device is described, which is suitable for investigations related to the measurement of absorbtion and velocity of propagation of ultrasound oscillations under extremely varied physico-chemical conditions, in particular those relating to oil and oil products. The block diagram and the circuit diagram of the device are given. In order to determine the saturation pressure and crystallization temperature of paraffins it is sufficient to obtain data on the attenuation of ultrasound. The device has a thermostatically controlled vessel with two transducers, a pulse genera-Card 1/2



NOZDREV, V.F.; BELINSKIY, B.A.; KHABIBULLAYEV, P.K.

Ultrasonic wave absorption in a water - formic acid mixture.
Izv. AN Uz. SSR. Ser.fiz.-mat.nauk 7 no. 6:99-101 '63.

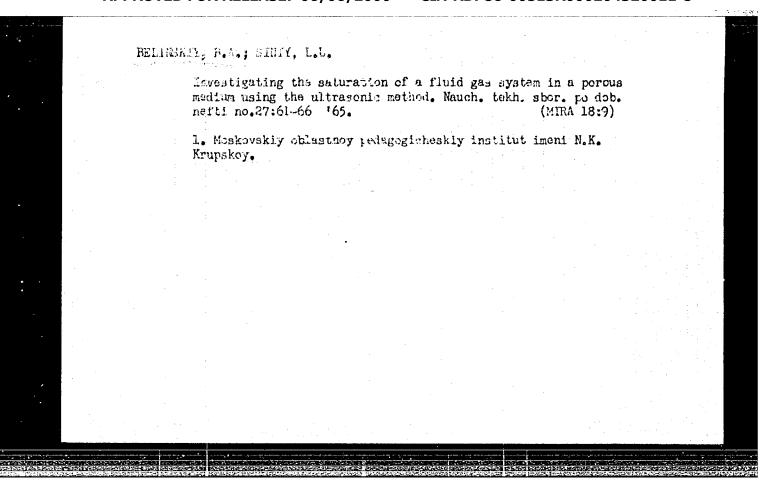
(HIRA 17:6)

1. Takhkentskiy gosudarstvennyy institut.

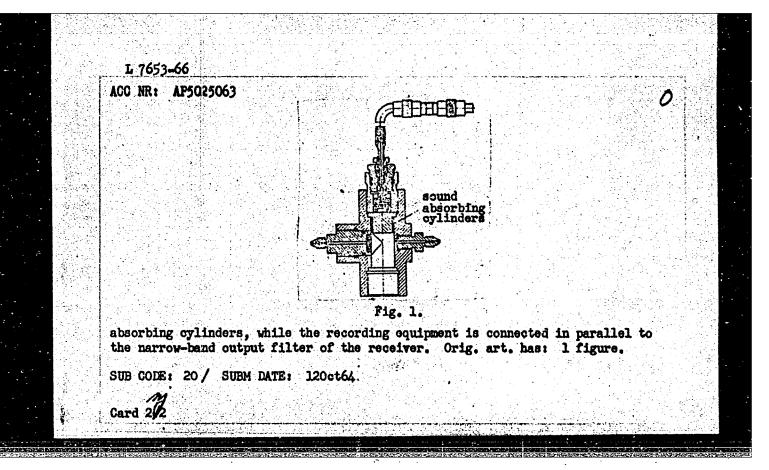
BELINSKIY, B.A.; NOZDHEV, V.F.; KHABIDULLAYEV, P.K. Absorption coefficient and the velocity of ultrasonic waves in mixtures water - formic acid. Akust. zhur. 9 no.4:482-484 '63. (MIRA 17:3) 1. Moskovskiy oblastnoy pedagogicheskiy institut imeni Krupskoy.

Small ultrasonic apparatus for the determination of the saturation pressure and the crystallization temperature of paraffin. Nauchtekt. For. po deb. nefti no.25:109-112 'C.'. (MEA 37:12)

1. Vsescyuznyy neftegarovyy nauchno-issledovatel'skiy institut.



L 7653-66 EWT(d)/EPA(s)-2/E EWP(b)/EWP(1)/ETC ACC NR: AP5025063	SOURCE CODE: UR/02	
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AUTHORS: Belinskiy, B. A.;	Siniy, L. L.	
ORG: none		(B
TITLE: Impulse ultrasonic a No. 174016 / announced by M (Moskovskiy pedagogicheskiy	pparatus for investigating por oscow Oblast Teachers Institutionstitut)	ous media, Class 42, o im. N. K. Krupskaya
SOURCE: Byulleten' izobrete	niy i tovarnykh znakov, no. 16	, 1965, 108
TOPIC TAGS: ultrasonic equipultrasound absorption	pment, ultrasonics, ultrasonic	wave propagation,
investigating porous media (ficate presents an impulse ult see Fig. 1). The apparatus co	ntains a generator of
electrical video-impulses, a ber with the investigated med retardation lines. To elimin	receiver, recording equipment dium with two piezoconverters nate the influence of the tute	, and a measuring cham- and with ultrasound wave on the measurement
readings and to facilitate m	easuring the amplitude-phase c asound retardation lines are p	maracteristics of the
Card 1/2		UDC: 534-8.002.56



SINIY, L.I.; BELINSKIY, B.A.; NOZDREV, V.F.

Methods for determining the phase composition of gas-liquid systems in a porcus medium. Zav.lab. 31 no.4:467-468 '65. (MIRA 18:12)

1. Moskovskiy oblastnoy pedagogicheskiy institut im. N.K. Krupskoy.

RTW/RM/WG/ 47330-66 FEC(k)-2/EWT(1)/EWT(m)/EWP(j)/T/EWP(k) IJT(c) ACC NR: AR6025780 SOURCE CODE: UR/0058/66/000/00h/E011/E011 AUTHOR: Belinskiy, B. A.; Khabibullayev, P. K. TITLE: Determination of the effective relaxation time in binary mixtures SOURCE: Ref. zh. Fizika, Abs. 4E79 REF. SOURCE: Tr. 1-y Mezhvuz, nauchn. konferentsii po primeneniyu molekul akusĉ issled. veshchestva i v nar. kh-ve. Tashkent, 1964, 139-142 TOPIC TAGS: relaxation process, formic acid, binary mixture, collision ABSTRACT: To determine the effective relaxation frequency of the investigated mixture of formic acid and ethyl formiate, the following empirical formula is proposed: $v_{Qff} = [bv_{AA} + (1-b)v_{BB}] - b(1-b)[bv_{AA} + (1-b)v_{BB}],$ where vAA is the relaxation frequency of the component A, vBB the relaxation frequency of component B, and b is the concentration. This expression was obtained under the assumption that the effective frequency of the relaxation of binary mixture is determined by collisions of type AA and BB, while collisions of the type AB and BA are ineffective in the relaxation process under consideration. The values of veff calculated by the proposed formula are in satisfactory agreement with the experimental data. A. Osil v. Translation of abstract/ Card 1/1 DE SUB CODE: 20

·	L 15801-66 EWT(1)/T/EWP(k) JW		
	ACC NR: AR6023306 SOURCE CODE: UR/0058/66/000/003/H071/H072		
	AUTHOR: Normatov, A.; Nozdrev, V. F.; Belinskiy, B. A.		,
	TITLE: Investigation of the coefficient of absorption and propagation velocity of		
	bultrasonic waves in the quaternary system acetic acid - ethyl acetate - ethyl alco-	工	
	SOURCE: Ref zh. Fizika, Abs. 3Zh499		
	REF. SOURCE: Tr. 1-y Mezhvuz. nauchn. konferentsii po primeneniyu molekul. akust. k issled. veshchestva i v nar. kh-ve. Tashkent, 1964, 161-164		
	TOPIC TAGS: ultrasonic velocity, ultrasound absorption, aqueous solution, absorption coefficient, temperature dependence, acetic acid, frequency characteristic, relaxa-		
	ABSTRACT: An investigation was made of the coefficient of absorption and the velocity of ultrasound in a system consisting of acetic acid (79.2%), ethyl acetate (0.8% ethyl alcohol (20%), and 1 — 80% water added. The component liquids were subjected to chemical purification. The accuracy of measurement of the absorption coefficient was from 5 to 2% at frequencies 5 — 85 Mcs. that of the relation to coefficient),	
	was from 5 to 2% at frequencies 5 85 Mcs, that of the velocity was 0.3%, and that		
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"APPROVED FOR RELEASE: 06/06/2000

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EWP(1)/EVT(1)/T L 0L092-67 UR/0058/66/000/003/H068/H068 SOURCE CODE: ACC NR: AR6023290 AUTHOR: Belinskiy B. A. TITLE: Riements of ultrasonic spectroscopy SOURCE: Ref zh. Fizika, Abs. 3Zh472 REF SOURCE: Tr. 1-y Mezhvuz. nauchn. konferentsii po primeneniyu molekul. akust. k issled. veshchestva i v nar. kh-ve, Tashkent, 1964, 105-111 TOPIC TAGS: ultrasonic spectroscopy, vibration spectrum, acoustic resonance, excited state, excitation spectrum, sound absorption ABSTRACT: In the Debye-Born theory the equilibrium state of a solid body is characterized by a set of acoustic oscillations with a definite spectrum (resonantfrequency spectrum). There are grounds for assuming that the same concept can be applied to gases and liquids up to a certain degree. The nonequilibrium state caused by the interaction of the "external" acoustic field is characterized not only by the resonant-frequency spectrum, but also by the spectrum of the frequencies corresponding to the probabilities of different transitions of the system to excited and unexcited states. A way of establishing the connection between the coefficients of absorption of the "external" sound on these spectra is then pointed out. In the author's opinion this can be done by sending into the radium a signal with a broad spectrum and investigating the energy spectrum of the sign I transmitted through the medium. L. Zarembo. Translation of abstract] SUB CODE: Card 1/1

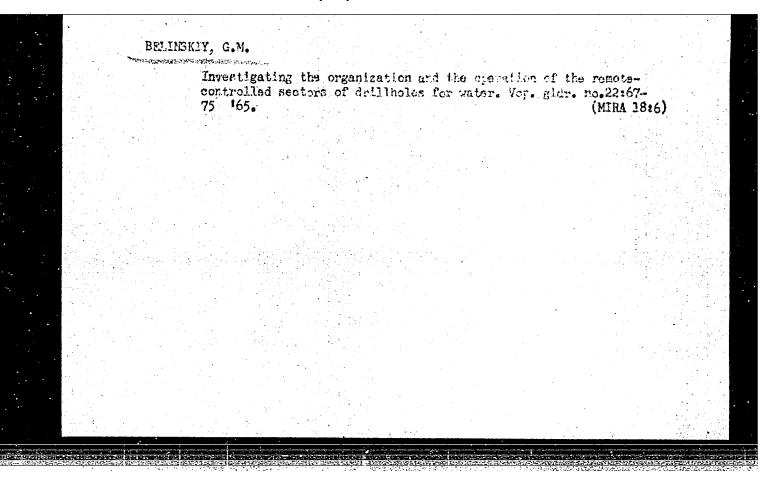
EWT(1)/EWT(m) GG/WW L 0L085-67 SOURCE CODE: UR/0058/66/000/003/H070/H070 ACC NR: AR6023299 AUTHOR: Khodzhayev, S. A.; Belinskiy, B. A. TITLE: Universal automatic apparatus for high-speed measurements of different parameters of liquids aM SOURCE: Ref zh. Fizika, Abs. 3Zh486 REF SOURCE: Tr. 1-y Mezhvuz. nauchn. konferentsii po primeneniyu molekul. akust. k issled. veshchestva i v nar. kh-ve. Tashkent, 1964, 209-213 TOPIC TAGS: liquid property, ultrasonic equipment, ultrasonic velocity, ultrasound absorption, fluid viscosity measurement, dielectric constant, dielectric loss, automatic machine/ TS-24 thermostat ABSTRACT: An automatic pulsed ultrasonic installation has been developed for the measurement of the absorption coefficient, ultrasound velocity, shear viscosity, dielectric constant, and tangent of the dielectric-loss angle. The hydraulic unit of the apparatus consists of an autoclave, a manometer, a press, and a device for pumping out the air and filling with the investigated liquid. The electronic unit serves to measure and automatically record these parameters. A diagram of the longitudinal cross section of the autoclave and a block diagram of the complete apparatus are presented. The quartz radiator is located outside the autoclave, and the ultrasonic oscillations are introduced into the autoclave through an acoustic delay line. The autoclave operates with the viscosimeter piston in a vertical position. As the piston

Card 1/2

ACC NR: AR602329	9					0
is lowered, continuation of the contained in a instrument of culsed delay methodical capacindication. The ing of the parametures 10 - 2000.	reflected ultras liquid thermost the TS-24 type. od in an acousti itor placed in t installation per ters of the inve	onic pulse, an at, the therma The velocity c chamber. Me he autoclave i mits automatic estigated liqui	d the time of all conditions of of ultrasound assurement of the s by a resonant and continuous d at pressures	its delay. f which ar is determine capacit ce method s measurem	The auto e regulate ned by the ance of the with zero- ent and re	oclave ed by ne beat
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	Pe	ly more attent	tion to marine pi	iping. Mor. flot 2	5 no. 3: 32 Mr (MIRA	· 165. 18:4)	
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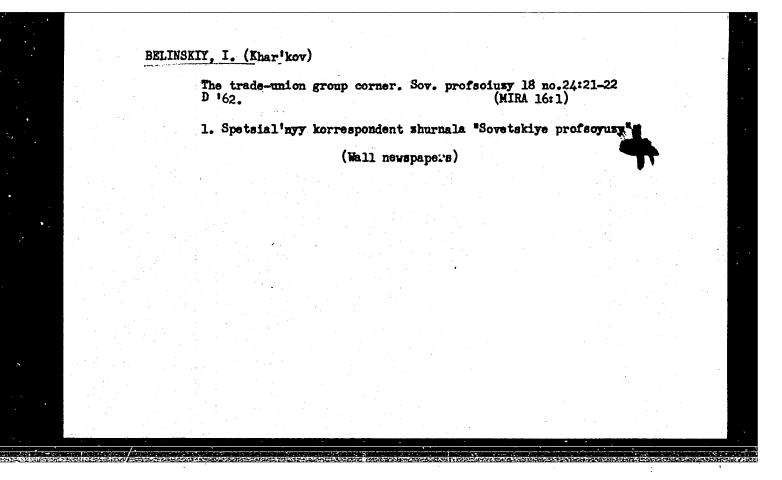
Heas-produced ships need repair brigades. Mor. flot 25 no.7:30-3;
J1 '65. (MIRA 18:7)



	A matter of S 160.	great importance.	Sov.profsoiuzy	16 no.17:20-21 (MIRA 13:8)	
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LUZIN, Yu., inzh.; RELINSKIY, I., inzh.

Reinforced concrete crane girders with 12 spans under cranes with a 50-75 t. lifting capacity. Prom. stroi. i inzh. soor 5 no.5:35-40 S-0 '63. (MIRA 16:12)

GLUSHCHENKO, P.M., inzh.; KRYAKOVTSEV, G.F., master-vzryvnik (g. Kadiyevka, Donbass); BELINSKIY, I.; RUDENKO, I., rayonnyy gornotekhnicheskiy inspektor; OL'KHOVSKIY, A.

Readers' letters. Bezop truda v prom. 7 no.4:37 Ap '63; (MIRA 16:4)

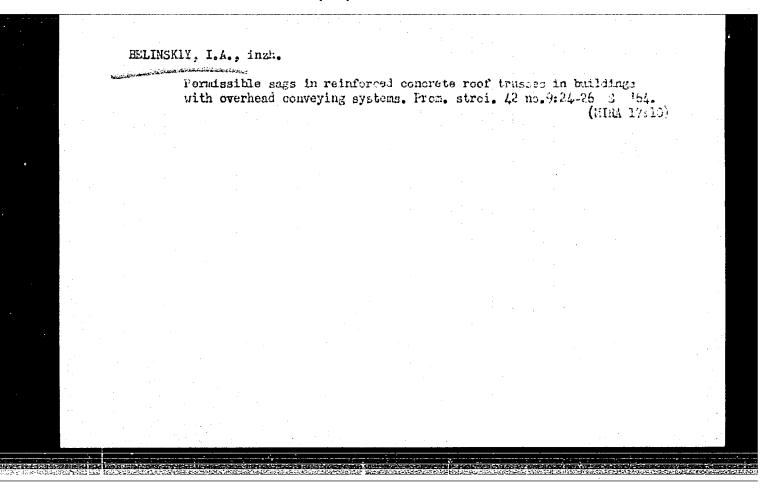
1. Biyskiy kotel'nyy zavod (for Glushchenko). 2. Glavnyy insh. shakhty im. Lutugina (for Belinskiy). 3. Obahchestvennyy inspektor okhrany truda, shakhta 18 bis, tresta Yemanzhelimugol' (for Ol'khovskiy).

(Industrial safety)

		Insulated and no.8:50-53	rall slabs w	rith a length of 12 m. (Concrete walls)	Prom.stroi	. 40 (MIRA 15:11)	
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LIBERMAN, Al'fred Davidovich; KORSHUNOV, Dmitriy Andreyevich; RUBACH, Ol'ga Mikhaylovna; BELINSKIY, Igor' Alekseyevich; KIYANICHENKO, N.S., red.; TELEBERMAN, N.A., telim. red.

[Large reinforced concrete structures in industrial construction] Krupnorazmernye zhelezobetonnye konstruktsii v promyshlennom stroitel'stve; iz opyta stroitel'stva mekhanosborochnogo korpusa zavoda stankov-avtomatov im. Gor'kogo v Kieve. Kiev, Gos.izd-vo lit-ry po stroit. i arkhit. USSR, 1963. 49 p. (MIRA 16:9) (Precast concrete construction)



BELINSKIY, I.A., inzh.

Calculating reinforced concrete trusses taking into account the rigidity of units during the prolonged action of a load. Stroi. konstr. no.2:122-127 '65. (MIRA 18:12)

1. Nauchno-issledovateliskiy institut stroitelinykh konstruktsiy Gosstroya SSSR, Kiyev.

BELINSKIY, I.A., inzh.

Deformations of reinforced concrete truss girders caused by concrete shrinkage. Stroi.konstr. no.1:134-140 (65. (MIRA 19:1)

1. Nauchno-issledovatel'skiy institut stroitel'nykh konstruktsiy Gosstroya SSSR, Kiyev.

BELIESKIY, I.L., gornyy inshener.

Relation between drift timbering costs and their cross-sections. Ugol' 31 no.10:20-21 0 '56. (MIRA 9:11)

1. Shakhta imeni Intugina.
(Mine timbering-Gosts)

BARSHTEIN, I.K., kand.tekhn.nauk; BELINSKII, I.Te., inzh.

Operational characteristics of the 1050/400 mill ventilator designed by the Central Scientific Research Institut for Boilers and turbines. Energomashinostroenie 3 no.12:16-21 D 157.

(Drying apparatus)

(MIRA 11:1)

DELINSKY, I've

Barshteyn, I.K., Candidate of Technical Sciences, and 310 AUTHOR:

Belinskiy, I.E., Engineer.

TITLE:

Experience of burning high moisture content brown coals in a boiler installation equipped with pulverising fans. (Opyt szhiganiya vysokovlazhnykh ugley v kotelinoy ustanovke

oborudovannoy melyushchimi ventilyatorami.)

PERIODICAL: "Energomashinostroenie". (Power Machinery Construction), 1957, No. 5, pp. 10 - 14, (U.S.S.R.)

ABSTRACT:

This article describes the results of tests on a boiler equipped with a pulverised fuel preparation system including pulverising fans developed by the Central Boiler and Turbine The equipment is in the KRES Power Station (Kiev Regional Power Station?). Boiler No. 4 of the KRES station manufactured by the "Rota" Company was reconstructed and has a designed steam output of 40 tons per hour with a drum pressure of 31 atm and a super-heated steam temperature of 400 °C. The heating surface of the hollowing 100 °C. 400 C. The heating surface of the boiler is 462 m², of the super-heater 182 m², of the water economiser 492 m² and of the air heater 2 240 m². Other furnace data are also given. The pulverised fuel preparation system consists of three independent dust systems with pulverising fans. Coal from a bunker is deliwered to drying shafts by drum-scraper feeders. In the drying shafts the fuel receives preliminary drying by gases drawn from the furnace because of suction set up by the pulverising fans, From the drying shafts the gas-fuel flow

passes through the pulverising fans in which the fuel is pulverised and is intensively dried. It then passes to the burners. The pulverising fans have a rotor of 1 050 mm diameter with a blade width of 400 mm and height of 200 mm. The fan is driven at 1 460 r.p.m. by a 115 kW motor.

The main fuel of the power station is Aleksandriysk brown

The main fuel of the power station is Aleksandriysk brown coal produced by opencast working. The coal contains a high proportion of fines and a comparatively small quantity of large pieces and is low mechanical strength. The ash content varies from 22 - 38%, the moisture content from 50 - 56% and the calorific value is 1 500 - 2 000 kcal/kg. The ash is of high temperature characteristic.

Operational observations and tests made during initial setting-up reveal the following special features of operation: Ukrainian brown coals cause difficulties in the fuel supply lines only under winter conditions. When the frost is hard, the coal freezes in the stacks and the upper layer of fuel has to be broken up by hand. There being no crushers the large lumps of frozen fuel are troublesome and delivery of coal to the pulverising fans is uneven. The magnetic metal separator did not operate well so that damage was caused to the pulverising fans. As the blades of the pulverising fans did not last long, and the rotors frequently became unbalanced, the Central Boiler and Turbine Institute has recently re-designed

required to move it. Although the scraper-drum feeder generally operated satisfactorily the absence of preliminary crushing of the coal greatly interfered with its normal operation. When pulverising fans are used the need for crushing should be carefully considered. The gas dampers on the front wall of the furnace did not work well. The short distance between the gas intake apertures (from the furnace to the drying shaft) and the burners, which was about 2.5 m causes the temperature of the tapped-off gases to vary widely depending on the operating conditions of the boiler. A graph is given showing that this temperature can range from about 800 to 1 100 °C. Therefore, the gas intakes should be located in the upper part of the furnace at a sufficient height above the burners. The horizontal gas pipes from the front of the furnace to the drying shafts are constantly clogged with ash and slag and require frequent cleaning. Appropriate arrangements should be made to prevent this.

Balancing tests were carried out when burning normal Aleksandriysk coal and also coal of lower quality with increased ash content and reduced calorific value. During the tests the fuel properties varied within the limits of: water- 48.9 - 56.7%; ash 13.0 - 18%; calorific value 1 390 - 1 829 kcal/kg. The quantity of hot air passed to the drying shafts was 20 - 25% of the total air consumption of

the furnace. The tests confirmed the possibility of ensuring reliable and economic combustion of the coal. With the high ash coal the burner flame commenced rather a long way from the embrasure but combustion remained steady. A graph is given of the thermal losses and efficiency of the boiler as a function of the steam load and it is shown that the efficiency is practically independent of the load. There were large leakages of air into the furnaces, mainly through the fuel feeders because of leaks in the gas ducts from the furnace to the drying shafts near the slag funnels and at places where the screen tubes pass through the lining. With a steam load of 40 t/h the temperature of the outgoing gases is only 185 °C. However, because of the high moisture content of the fuel the heat loss with the outgoing gases was considerable and ranged from 12 - 16%. When burning normal fuel there was no loss of heat because of chemically incomplete combustion but with the low quality coal this loss was from 0.4 - 1.4% even with considerable excess air. A graph is plotted of the electric power consumption related to a ton of steam against boiler output and with an output of 40 t/h it is 8.6 kwh/ton. It is concluded that in addition to giving reliable combustion of Aleksandriysk coal the installation equipped with

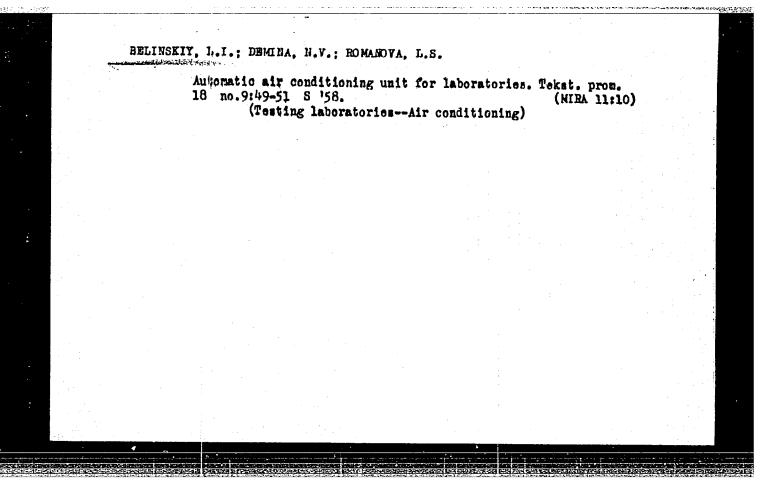
the fan construction. The milling parts have been considerably strengthened and made of wear-resistant materials, and protective linings on the milling blades can be replaced without withdrawing the rotor. Operating experience and tests on the boiler under different conditions show that stable combustion of Aleksandriysk brown coal with a moisture content of up to 33% is achieved even in winter conditions and without a crusher. Combustion was stable even at loads of 40 - 50% with only one pulverising fan in operation. During operation it was never necessary to light the fuel oil burners and there were no enforced stoppages because of fuel supply or combustion difficulties. Very little slag was formed in the furnace. Experiments which were carried out confirmed the advisability of supplying hot air to the drying shafts with a somewhat increased oxygen content compared with the furnace gases. It was also found that losses due to incomplete combustion are very dependent on the excess air factor; the results are plotted on a graph.

In new designs account should be taken of the following defects that appeared in various parts of the equipment: If the bunkers are filled to more than a third of their capacity the coal is not delivered continuously. The coal shutter of the damper type is inconvenient because great force is

pulverising fans is of comparatively high economy. At rated load, the efficiency of the boiler is 97%. The gross efficiency of the boiler set when burning coal of normal quality at the rated load on the boiler is 82.5% and the nett efficiency with two milling systems working is 77%. The positive results of burning high moisture content brown coal in a furnace equipped with pulverising fans makes it possible to recommend wide application of these installations on small and medium sized boilers. The limiting value of the relative moisture content of coal that can be burnt reliably and with efficient economy in these installations is up to 36%. Work on the improvement of pulverising fans should be continued.

7 figures, no literature references.

	In	novation	in Chi	stiakovo	mines	. Kast.ug	1.5 no	.11:3-6 N	156. (MIRA 10:1)	
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AUTHORS: Belinskiy, L. I., Al'ter-Pesotskiy, S/183/60/000/01/024/031 F. L. B004/B014

TITLE: The Inertia of Indicators of the System of Temperature. Regulation Which Are Protected by Chemically Resistant Coatings 15

PERIODICAL: Khimicheskiye volokna, 1960, Nr 1, pp 63-64 (USSR)

TEXT: ETM-Kh resistance thermometers are protected from corrosion by coatings. The authors studied the effect of such coatings on the delay of temperature indication. They studied coatings made of bakelite lacquer (0.03 cm), polyethylene (0.03 cm), lead (0.25 cm), ebonite (0.3 cm), and viniplast (0.4 cm). The delay constant was measured by taking the thermometers out of a medium of 20° and dipping them into media of 60° and 100°, and by determining the time passed until the temperature was exactly indicated. The temperature of the resistance thermometer was recorded by an electronic measuring bridge of the type EMD-237. A table gives the thermal conductivity of the protective coatings, and figures 1 and 2 illustrate experimental results. It is noted that coatings made of bakelite, polyethylene, or lead do not produce an additional delay of temperature indication, whereas the inertia of the indicator is increased by ebonite and viniplast, due to the larger thickness of such coatings. There are 2 figures, 1 table, and 3 references, 2 of which are Soviet.

Card 1/2

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The Inertia of Indicators of the System of S/183/60/000/01/024/031
Temperature Regulation Which are Protected by B004/B014
Chemically Resistant Coatings

ASSOCIATION: VNIIV (Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo volokna - All-Union Scientific Research Institute for Synthetic Fibers)

S/119/60/000/010/009/014/X B012/B063

AUTHORS:

Belinskiy, L. I., Engineer, Pikorskiy, A. I., Engineer

TITLE:

A Semiconductor Electrothermometer 1

PERIODICAL:

Priborostroyeniye, 1960, No. 10, pp. 22 - 23

TEXT: The measuring bridge circuit of an electrothermometer with a constant feeding source, shown in Fig. 1, was tested at the laboratoriya avtomatiki i KIP Nauchno-issledovatel'skogo instituta iskusstvennogo volokna (Laboratory of Automation and Control and Measuring Instruments of the Scientific Research Institute for Synthetic Fibers). A microammeter is used for indication. Fig. 2 shows the electrothermometer, and its technical data are given. This quick-acting instrument was developed on the basis of the MT-54 (MT-54) microthermistor designed by Karmanov, and is intended for measuring temperatures between 0° and 100°C. The small dimensions of the transmitter permit temperature measurement even at difficultly accessible points. This semiconductor electrothermometer has an error in measurement of \pm 0.5°C between 0° and 50°C. There are 2 figures.

Card 1/1

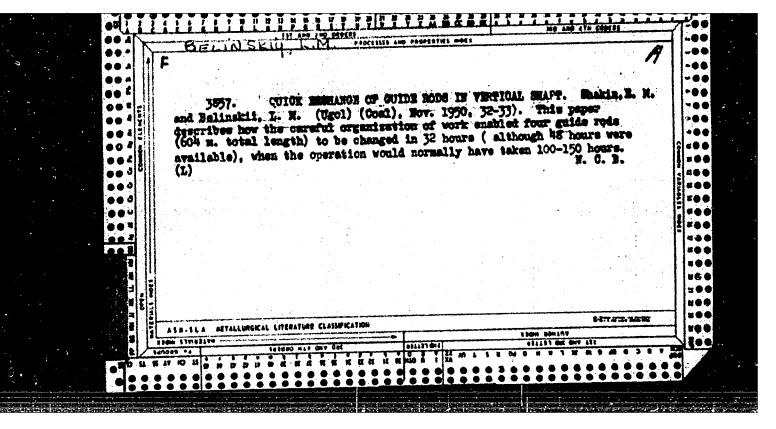
BELINKIY, L. M. and I. F. SOLDATOV.

Dvigateli tinzhelogo topliva i aviatsii; pod red. A. Il Tolstova. Moskva, Oborongiz, 1944. 55 p. illus.

(Heavy-oil engines and aircraft motors.)

DLC: YE700.23846

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953



BELINSKIY, L. M.

USSR/ Mining

Card 1/1

Authors

: Belinskiy, L. M., Mining Engineer

Title

: Basic difficulties in constructing a special frontal unit

Periodical

: Mekh. Trud. Rab., 2, 31 - 32, March 1954

Abstract

: Author describes the four basic difficulties involved in the construction of a special frontal unit for coal mining. Giving the Chistyakovantratsit mine as an example he points out that the exploitation of such a machine requires more workers and time consuming labor and the gain in the extraction of coal is insignificant.

Institution

:

Submitted

: ...

BELINSKIY, M.A., brigadir puti (stantsiya Tayncha Kazakhskoy dorogi); YUDIN,
V.D., dorozhnyy master (stantsiya Kantemirovka Yugo-Vostochnoy dorogi);
KHIDIROV, A., brigadir puti (stantsiya Krasnovodsk, Ashkhabadskoy
dorogi)

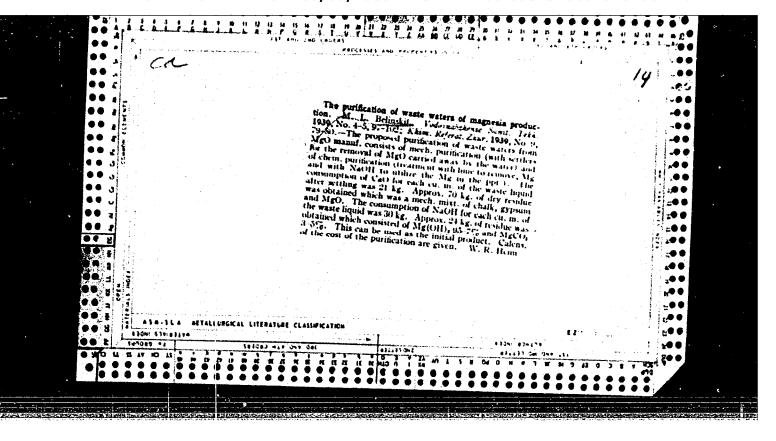
How to plan maintenance operations. Put' i put.khoz. no.1:20 Ja '59. (NIRA 12:2) (Railroads--Maintenance and repair)

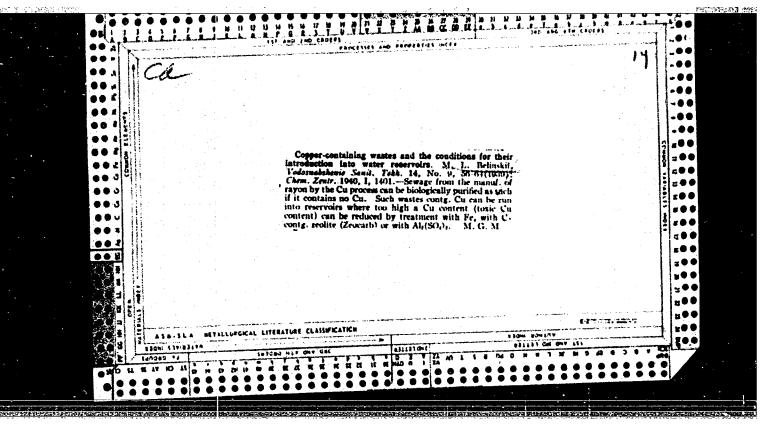
NEKRASOVSKIY, Ya.E., professor; LOKSHIN, B.S., dotsent; BELINSKIY, M.L., aspirant; SNITKO, A.A.

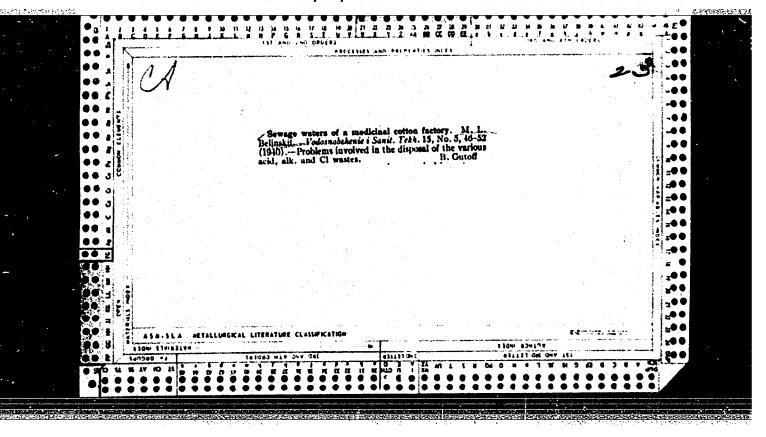
Protective bore bit for the boring of raising shafts in steeply pitching coal seams where coal and gas outbursts are likely to occur. Izv. DGI no.24:50-64 '55. (MCRA 10:2)

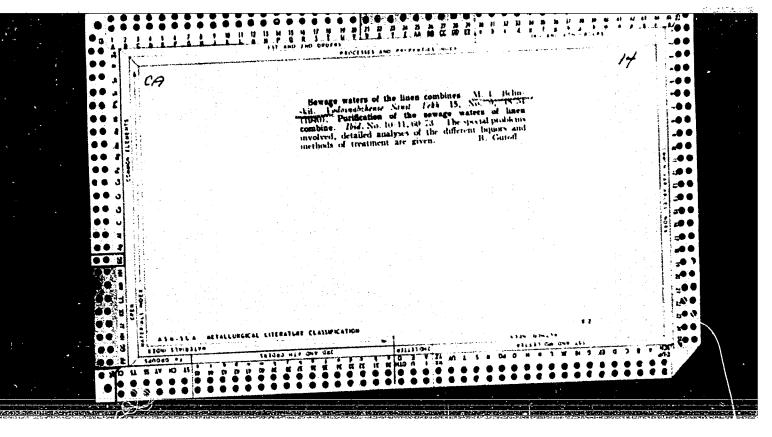
(Boring machinery) (Coal mines and mining--Safety measures)

	31:241-244 '58.	(Coal lines and mining-	(MIRA	11:7)
:				









622.333:685.5

BKLINSKIY, M. 4456. Iz opyta raboty shakht tresta ((chistya kovantratsii)). Stalino, obl. izd., 1954. 60 s. s chert; 4 L. chert. 20 SM. (Nito i dom inzhenerai tekhnika kombinata ((Stalinugol'))). 5.000 ekz. ir. 20k. - (55-562) P

SO: Knizhnaya Letopsis!, Vol. 1, 1955

Belinskiy, W. G.

USSR /Chemical Technology. Chemical Products

H-5

and Their Application

Water treatment. Sewage water.

Abs Jour: Referat Zhur - Khimiya, No 1, 1958, 1792

Author : Karelin Ya. A., Belinskiy M.L.

Title : Sewer Systems at Petroleum Production Bases

Orig Pub: Vodosnabzheniye i san. tekhnika, 1956, No 11,

13-17

Abstract: At petroleum production bases 2 sewer systems

are planned: an industrial and storm sewer system and a household system. In the industrial and storm sewer system are installed 2 sectional petroleum traps, from which the sewage water passes into ponds. If the sewage water contains tetraethyl lead the latter is extracted with the lightest aviation gasoline containing no ethyl

Card 1/2

USSR /Chemical Technology. Chemical Products and Their Application Water treatment. Sewage water.

H-5

Abs Jour: Referat Zhur - Khimiya, No 1, 1958, 1792

lead. After extraction the sewage water is allowed to settle for 10-20 hou .

Card 2/2

BELINSKIY, M. L., Cand Tech Sci — (diss) "Determination of system basic elements of the warking of working strata with high gas content under conditions of Chistyakovskiy and Shakhterskiy Rayons of Donbass." Dnepropetrovsk, 1958. 20 pp (Min of Higher Education Ukr SSR. Dnepropetrovsk Order of Labor Red Banner Mining Inst im Artem, Chair of Working of Stratified Deposits), 100 copies (KL, 35-58, 107)

-29-

TITKOV, V.I.; BELINSKIY, M.L.; BUNCHUK, V.A.; BUT, P.P.; VINOGRADOV, A.F.; KOFMAN, S.R.; KUKUSHKINA, R.N.; MATSKIN, L.A.; MOSKAL'KOV, I.I.; MISHIN, B.V.; NADEZHDIN, M.D.; OLENEV, N.M.; ROZEN, S.N.; NOVIKOVA, vedushchiy red.; TROFIMOV, A.V., tekhn.red.

[Handbook on oil tank equipment] Spravochnik po oborudovaniiu neftebas. Moskva, Gos.nauchno-tekhn.isd-vo neft. i gorno-toplivnoi lit-ry, 1959. 463 p. (MIRA 12:12) (Petroleum-Storage)

		Sewera i san	age sci .tekh. (P	hemes no.3 umping	for s: :15-18 :stat:	tes Kr Lons)	of main	pumpin swerag	- (1	tions. HIRA 1	Vod. 2:2)	•	t *
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/ PHASE I BOOK EXPLOITATION

SOV/5198

Titkov, V. I., ed.

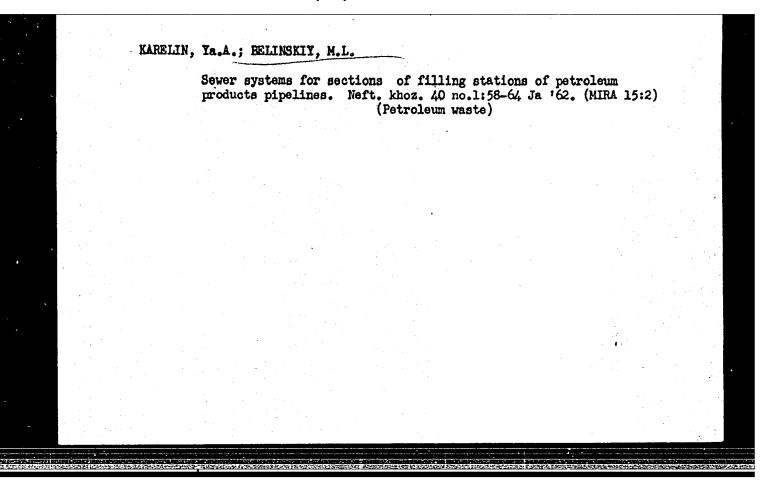
Spravochnik po oborudovaniyu neftebaz (Manual on Petroleum Storage Depot Equipment) Moscow, Gostoptekhizdat, 1959. 463 p. 5,600 copies printed.

Authors: M. L. Belinskiy, V. A. Bunchuk, P. P. But, A. F. Vinogradov, S. R. Kofman, R. N. Kukushkina, L. A. Matskin, I. I. Moskal'kov, B. V. Mishin, M. D. Nadezhdin, N. M. Olenev, S. N. Rozen, and V. I. Titkov; Scientific Ed.: M. P. Novikova; Tech. Ed.: A. V. Trofimov.

PURPOSE: This book is intended for engineers and technicians working in the field of transportation and storage of petroleum and petroleum products.

COVERAGE: The manual includes data on equipment used in loading and unloading, storage, and transfer of petroleum and petroleum products on tank farms. The characteristics of tanks and

Card 1/15



ROMENSKIY, L.P., kand.tekhn.nauk; FES'KOV, M.I., gornyy inzh.; BELINSKIY, M.L., kand.tekhn.nauk

Planning and design of ventilation in the reorganization of Donets Basin mines. Ugol' Ukr. 6 no.9:19-21 S '62. (MIRA 15:9)

1. Kommunarskiy gorno-metallurgicheskiy institut (for Romenskiy, Fes'kov). 2. Shakhta No.1 "Krasnaya Zvezda" Chistyakovskogo tresta predpriyatiy ugol'noy promyshlennosti Donbassa Ministerstva ugol'noy promyshlennosti SSSR (for Belinskiy).

(Donets Basin-Mine ventilation)

BELINSKIY, M.S.; AKINFIYEV, B.F., otv.red.; KOKOSOV, L.V., red.; KARABILOVA, S.F., tekhn.red.

[Using precast reinforced concrete access pits in connection with automatic telephone stations] Sbornye shelesobetonnye kolodtsy na stroitel'stve ATS. Moskva, Gos. izd-vo lit-ry po voprosam sviazi i radio, 1958. 43 p. (MIRA 12:1) (Precast concrete construction) (Telephone cables)

AIFIMOVA, Irina Alekseyevna; BLEXHER, Polina Moiseyevna; ZAYTSEVA,
Antonina Ivanovna; BELINSKII, M.Ta., redaktor; KUZ'MIN, D.G.,
tekknicheskiy redaktor

[Problems ironing] Zadachnik po tokarnomu delu. Moskva, Vses.
uchebno-pedagog. izd-vo Trudrezervizdat, 1956. 162 p. (MIRA 9:9)

(Turning)

VZUROV, Nikolay Nikhaylovich; BESPAL'NO, Aleksandr Grigor'yevich;
BELLUSKIY, M.Ya., redaktor; GUTRINOV, N.S., tekhnichaskiy redektor

[Gollection of problems in engineering mechanics] Shornik zadach
po tekhnichaskoi mekhanika. Noskva, Vasa.uchabno-pedagog, izd-vo
Trudrezervizdat, 1957. 159 p. (MIRA 10:10)

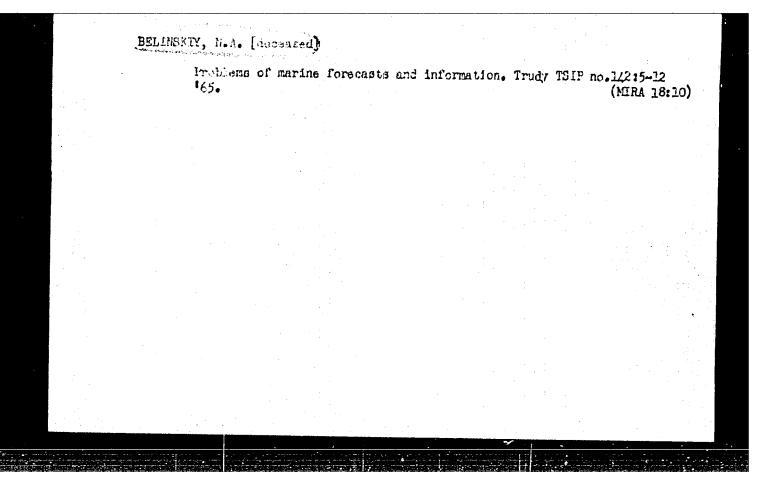
(Mechanics, applied--Problems, exercises, etc.)

N. A. BELINSKIY

"Approximate Method for Calculating a Resonator of Complex Form for a Given Wave length" from Annotations of Works Completed in 1955 at the State Union Sci. Res. Iust: Min. of Radio Engineering Ind.

So: B-5,080,964

Belinskiy,	Nikol ay Ålekseyevic h		DECEASE	1964
Hydro	meterorotogy		(1910-1964)	
	Obituary-	· Meteor i gidrol	3, p. 61 196h	
·	English and specific			



. 40910-66 EWT(1) CC NR: AT6006566	(N)	SOURCE CODE:	UR/2546/65/000	/142/0005/0012 2 4	4
THOR: Belinskiy, N. A.	(Deceased)			23	
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TLE: Maritime forecas					
OURCE: <u>Moscow. Tsentra</u> ozy i raschety (Marine naniya, noyabr' 1963 g.	, 5-12	tentactons), m	icciauly /2000		
OPIC TAGS: weather for	ecasting, sea ic	e, ship naviga	tion, ocean dyna	amics	***
STRACT: The author de cect to Soviet oceangoine work of the Service. Oviet Union is seriously marting optimal courses the author recommends the coastal navigation, the culence, current levels, approvements in buoy station and a better method of the coastal current levels, at a company the coastal current levels, at a company the current levels, at a company the coastal current levels, and a better method of the coastal current levels, at a company the coastal current levels, and a better method of the coastal current levels.	The recommenda y lagging behind (both in terms e creation of a study of the eff and ice and wat	tions are pref the USA and t of safety and navigational s ect of meteoro er temperature	aced by the remains and the German Feder economy) for mentation network, logical conditional distribution.	ark that the al Republic in rchant vessels. the study of ons on ocean two He further wrgarecording preci	r- es pi-
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ACC NR. AP6025658

SOURCE CODE: UR/0413/66/000/013/0110/0111

INVENTOR: Bleyvas, I. M.; Belinskiy, N. A.; Zelinskiy, E. M.; Dubrovina, S. A.; Sergiyenko, V. I.

ORG: None

TITLE: A device for simultaneously solving equations of motion of charged particles and electric field equations. Class 42, No. 183494

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 13, 1966,

TOPIC TAGS: motion equation, computer component, charged particle, electric field

ABSTRACT: This Author's Certificate introduces: 1. A device for simultaneously solving equations of motion of charged particles and electric field equations. The unit contains an electrolytic bath with conductive elements, a probe head, a digital computer which solves the motion equation of a charged particle and servosystems which move the probe head with respect to two coordinates. Computational speed and accuracy are increased by using a magnetic operational memory with one input connected to the digital computer through a summation unit and a diode which is controlled by pulses from the address formation unit. The second input of the magnetic operational memory is connected to the output of the address formation unit, and the memory out-

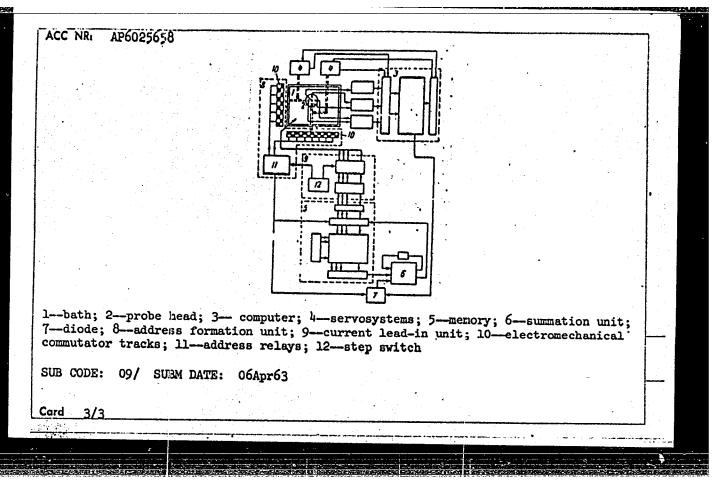
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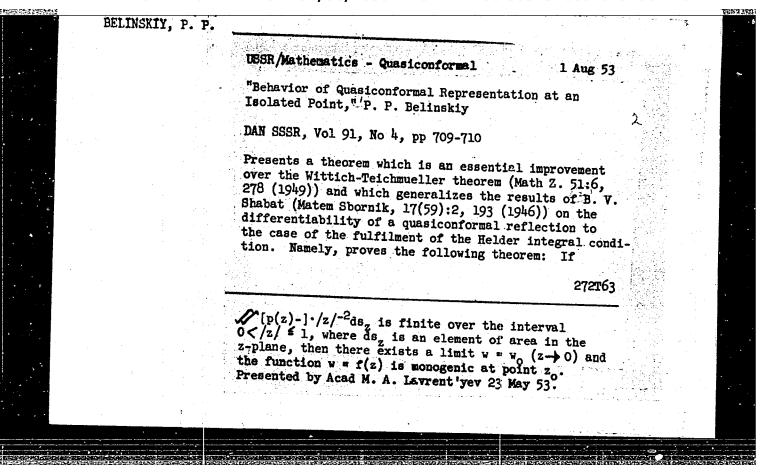
UDC: 681.142.001.572

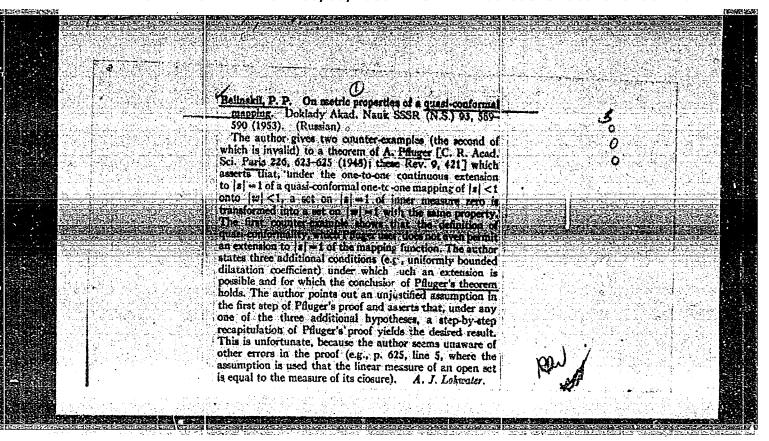
ACC NR: AP6025658

puts are connected to the input of the summation unit and to the current leads for the conductive elements in the electrolytic bath. 2. A modification of this device in which the instantaneous address of the probe head is compared with that of a memory cell in the magnetic operational memory by making the address formation unit in the form of an electromechanical commutator consisting of two contact tracks located along the coordinate axes with insulatED sections, and movable contacts mechanically connected to the probe head. The windings of the address relays are connected between the corresponding commutator segments of the contact tracks. 3. A modification of this device in which currents are automatically fed to the conductive elements by using a step switch in the lead-in unit for synchronizing the operation of this unit with that of the address relays in the address formation unit.

Card 2/3







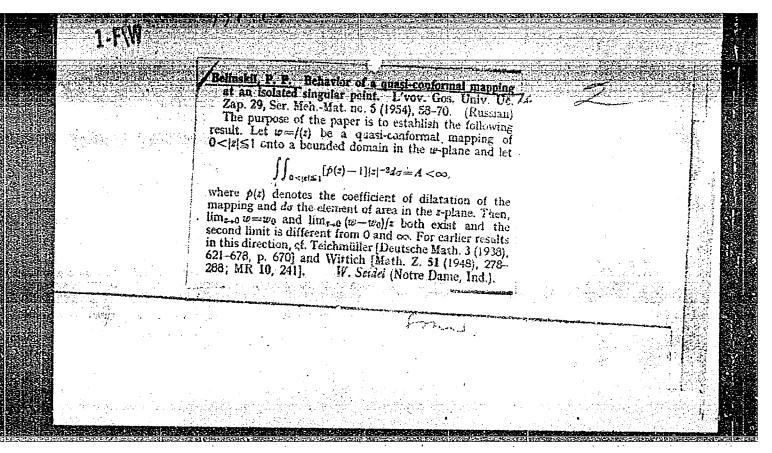
的是山田多瓦19 BELINSKIY, P. P. Belinskil, P. P. On distortion in quasi-conformal mappings. Doklady Akad. Nauk SSSR (N.S.) 91, 997-998 (1953). (Russian) Using terminology of Lavrentiev [C. R. Acad. Sci. Paris 200, 1010-1012 (1935) J, the author calls a quasi-conformal mapping q-quasi-conformal if the characteristic function p(z) is bounded by a constant q. It is shown that if w = f(z), f(0) = 0, is q-quasi-conformal and maps $|z| \le 1$ onto $|w| \le 1$, then (1) $|f(re^{\alpha})| \le \rho(r,q)$, where $\rho = \rho(r,q)$ is uniquely defined by the relation $K'(\rho)/K(\rho) = q^{-1}K'(r)/K(r)$, K(r) and K'(r) denoting, respectively, elliptic integrals of the first kind with moduli k = r and $k' = (1 - r^2)^{\frac{1}{2}}$. Furthermore, if an Mathematical Reviews May 1954 arc of |z|=1 of length φ goes over into an arc of |w|=1of length $\bar{\varphi}$, then (2) $\bar{\varphi} \leq \psi(\varphi, q)$, where $\psi = \psi(\varphi, q)$ is de-Analysis termined uniquely from the equation $K'(\sin \frac{1}{4}\psi) = \frac{1}{1} K'(\sin \frac{1}{4}\varphi)$ -4-54 $K(\sin \frac{1}{4}\psi) = q K(\sin \frac{1}{4}\varphi)$ Conditions under which equality holds in (1) and (2) are discussed. [Reviewer's remark: these theorems are contained in more general results on distortion in pseudo-analytic mappings due to J. Hersch and A. Pfluger, ibid. 234, 43-45 (1952); these Rev. 13, 736.]. A. J. Lolkauter.

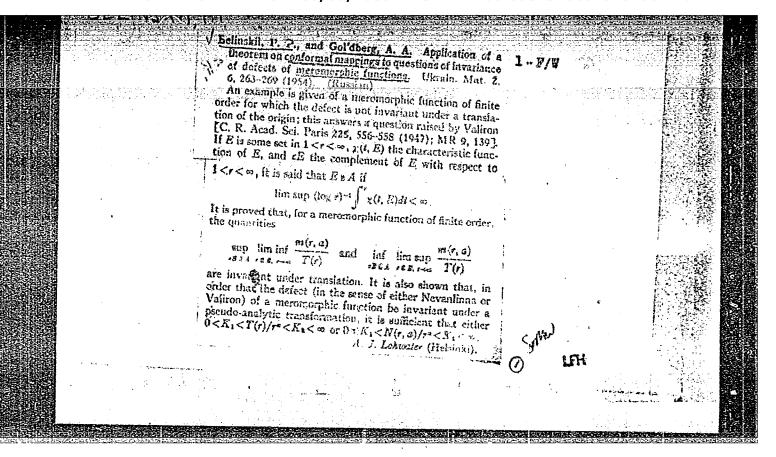
BELINSKIY, P. P.

"Quasiconformal Mappings." Cand Phys-Math Sci, L'vov U, L'vov, 1954. (RZhMat, Nov 势)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

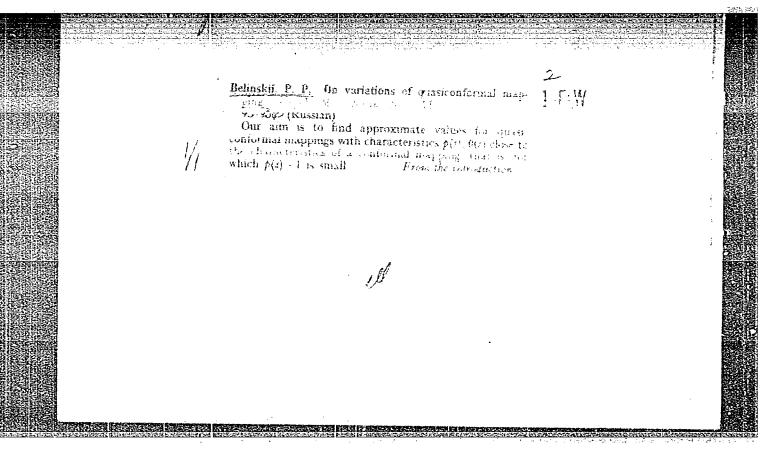
50: Sum. No. 521, 2 Jun 55





USSR/Mathematics - Mappings Card 1/1 Pub. 22 - 2/54 Authors Belinskiy, P. P., and Pesin, I. N. Title On the closing of the class of continuously differentiable quasi-conformal mappings Periodical | Dok. AN SSSR 102/5, 865-866, June 11, 1955 Abstract A proof is presented, that the general Q-quasi-conformal mappings of the W=f(Z) are nothing but the closing of a class of quasi-conformal mappings with continuous characteristics, or, otherwise, the closing of a class of continuously differentiable mappings. The given proof is based on the Banach theory which considers such mappings as absolutely continuous and, according to Lavrent'ev, have the characteristics p(2) and $\Theta(z)$ everywhere, which are measurable and $p(z) \leq Q$. Six references: 2 Germ. and 4 USSR (1925-1955). Institution Livov State University imeni Ivan Franko Presented by : Adademician M. A. Lavrent'ev, February 22, 1955

Transactions of the Third All-union Mathematical Congress * Jun-Jul '56, Trudy '56, V. 1, Sect. Rpts., Izdatel'stvo AN SSSR, Moscow Mention is made of Bernshteyn, S. N. and Kolmogorov, A. N.	/ \ `	ow pp.
Arin', E. I. (Riga). On the Concept of Partial Continuity of Function.	75	
Balk, M. B. (Smolensk). On an Analog of the Liouville Theorem.	75-76	
There is 1 USSR reference.	19-10	
Batyrev, A. V. (Rostov-na-Donu). On the Stability of a Solution of Hilbert Boundary Problem.	76	
Belinskiy, P. P. (L'vov). On the Existence of a Solution of Variational Quasi-conformal Mapping Problems	77	
Bredikhina, Ye.A. (Kuybyshev). On the Best Approximations of Almost-periodical Functions.	77	
There is 1 USSR reference. Card 23/80	• •	•



AUTHOR:

Belinskiy, P.P.

SOV/20-121-1-3/55

TITLE:

On the Surface Measure for a Quasiconformal Mapping (O mere

ploshchadi pri kvazikonformnom otobrazhenii)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol 121, Nr 1, pp 16-17 (USSR)

ABSTRACT:

Lavrent'yev and the author [Ref 2] showed that for a small

 $\xi = 1 - \frac{1}{\alpha}$ the q-quasiconformal mapping is little different from

a conformal mapping. In the present paper the author gives an estimation of the type $|\Delta \sigma| \leq \sqrt{\epsilon} + o(\epsilon)$ for the variation of the surface appearing here. At the same time the result of Pesin [Ref 3] is proved again (at a quasiconformal mapping a set of measure zero is mapped onto a set of measure zero).

There are 3 Soviet references.

ASSOCIATION: Matematicheskiy institut Sibirskogo otdeleniya Akademii nauk SSSR

(Mathematical Institute of the Siberian Section of the Academy

of Sciences of the USSR)

PRESENTED:

March 6, 1958, by M.A. Lavrent'yev, Academician

SUBMITTED: February 15, 1958

1. Conformal mapping 2. Mathematics

Card 1/1

AUTHOR:

Belinskiy, P.P.

SOV/20-121-2-1/53

TITLE:

On the Solution of Extremum Problems of Quasiconformal Mappings With the Aid of the Method of Variation (O reshenii ekstremal nykh zadach kvasikonformnykh otobrazheniy metodom variatsiy)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol 121, Nr 2, pp 199-201 (USSR)

ABSTRACT:

In the class of q-quasiconformal mappings w = w(z) the author considers the maximum of the real function $F(z_1, \ldots, z_k; w_1, \ldots, w_k)$, $w_n = w(z_n) = u_n + iv_n$. With the aid of the methods of variation the

question for the existence and uniqueness of the extremal function is solved finally. Estimations for |w(z)-z| and similar ones are

given.

There are 4 references, 3 of which are Soviet, and 1 German.

ASSOCIATION: Matematicheskiy institut Sibirskogo otdeleniya Akademii nauk SSSR (Mathematical Institute of the Siberian Section of the Academy of

Sciences of the USSR)

PRESENTED:

March 6, 1958, by M.A. Lavrent'yev, Academician

SUBMITTED: March 3, 1958

Card 1/1

BELINSKIY, P. P., Doc of Phys-Math Sci -- (diss) "General Characteristics of the Quasiconforming Reflections," Novosibirsk, 1959, 10 pp (Institute of Mathematics, Siberian Dept, Acad Sci USSR) (KL, 4-60, 114)

16(1) AUTHOR:

Belinskiy, P.P.

507/20-128-4-2/65

TITLE:

Normality of Families of Quasiconformal Mappings

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 128, Nr 4, pp 651-652 (USSR)

ABSTRACT:

Theorem: Let \mathfrak{M} be a system of functions $\{w=f(z)\}$ with the following properties: 1) the functions f(z) are defined in domains and they imply homeomorphic mappings; 2) auxiliary transformations of the type z'=sz+b and w'=aw+b do not disturb the membership to the system \mathfrak{M} ; 3) every sequence of functions $w=f_n(z)$ of \mathfrak{M} .

defined in the domains D_n with the kernel $D \neq 0$, can be trans-

formed into a compact sequence with the aid of a normalization of the form $w^{t=a}_{n}f_{n}(z)+b_{n}$. The compactness is understood in the

sense of the uniform convergence (in D) after the mapping of the system. Then the mappings defined by the functions of the system are quasiconformal with a deformation which is bounded by a number q. - There are 2 Soviet references.

ASSOCIATION: Matematicheskiy institut Sibirskogo otdeleniya Akademii nauk SSSR (Mathematical Institute of the Siberian Dept. of the AS USSR)

PRESENTED: June 3, 1959, by M.A. Lavtrent'yev, Academician

SUBMITTED: May 25, 1959

Card 1/1

	BELINSKIY, P.P.								
		Solving the mappings by 330 S-0 '60	extremum problem the variational	s of the method.	theory of Sib. mat.	ouasico zhur. I	onformal 1 no.3:303- (MITA 14:2)		
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8/020/62/147/005/001/032 B172/B112

AUTHOR:

Belinskiy, P. P. Y

TITLE:

Continuity of spatially quasiconformal mappings and a

Liouville theorem

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 147, no. 5, 1962, 1003-1004

TEXT: A mapping is called q-quasiconformal if it maps an infinitely small sphere onto an ellipsoid for which the a/b ratio of the largest and the smallest axis satisfies the inequality a/b = q. The normalization of the mappings is determined by internal and boundary points guaranteeing the uniqueness. The following theorem is formulated: a family

$$\{Y = f(x)\}, X = (x_1, ..., x_n), Y = (y_1, ..., y_n), n > 2,$$

of q-quasiconformal normalized mappings of the n-dimensional unit sphere has the following properties: (1) a constant q exists that depends on the normalization and the dimension n in such a way that the family is uniformly bounded and continuous of the same degree for q < q ;

Continuity of spatially ...

S/020/62/147/005/001/032 B172/B112

(2) $\varrho(f(x),x) = \lambda(\varepsilon)$, where $\varepsilon = q-1$; ϱ is the distance in the n-dimensional space and $\lambda(\varepsilon)$ is a function depending on the normalization only and satisfying the relation $\lim_{\varepsilon \to 0} \lambda(\varepsilon) = 0$. The basic idea of this $\varepsilon \to 0$ proof is outlined. $\varrho_0 = \infty$ is impossible, as shown by an example.

PRESENTED:

June 22, 1962, by M. A. Lavrent'yev, Academician

SUBMITTED:

March 17, 1962

Card 2/2

BELINSKIY, S. A. and POPOV, Ye. G.

Criticism and Bibliography, Manual 'Marine Hydrometeorological Information and Forecasts'," Meteorology and Hydrology, Issue No. 4, December 1950, Leningrad.

U-2020, 29 May 52

AUTHORS: Belinskiy, S.B., Chernyak, D.A., Labutin-Gorskiy, Yu.V., Kaufman, A.A. and Torchitsa, A.B.

TITLE: Group Repairs of Coke Ovens (Gruppovoy remont kamer koksovykh pechey)

PERIODICAL: Koks i Khimiya, 1958, Nr 5, pp 49 - 52 (USSR).

ABSTRACT: A partial rebuilding of coke ovens in groups without interrupting the production of remaining ovens is described in some detail. There are 2 figures.

ASSOCIATION: Kaliningradskiy koksogazovyy zavod (Kaliningrad Coke and Gas Works), Teplotekhstantsiya and Koksokhimmontazh

SOV/68-58-9-14/21

AUTHORS: Belinskiy, S.B., and Gubakhin, G.F.
Heating of Sheds Covering Batteries under Construction with Coke Oven Gas (Obogrev teplyakov stroyashchikhsya

koksovykh batarey koksovym gazom)

PERIODICAL: Koks 1 Khimiya, 1958, Nr 9, pp 51-53 (USSR)

ABSTRACT: Steam is generally used for heating the above sheds. On the Kalinigrad Coking Works coke oven gas was successfully used for this purpose which was 3-4 times cheaper than heating with steam. Gas stoves used and their distribution in the shed, are shown diagrammatically.

There is 1 figure.

Card 1/1

AUTHORS:

SOV/68-59-1-15/26 Belinskiy, S.B. and Prokopov, I.F.

TITLE:

The Use of Spent Pyrites for Dry Cleaning of Gas from Hydrogen Sulphide (Primeneniye ogarka dlya sukhoy

ochistki gaza ot serovodoroda)

PERIODICAL: Koks i Khimiya, 1959, Nr 1, pp 54 - 56 (USSR)

ABSTRACT:

The use of spent pyrites instead of bog ore for cleaning of coke-oven gas from hydrogen sulphide was investigated. In view of satisfactory results (see table) the method was adopted on the Kaliningrad Coking Works. The method of preparation of the absorption mixture is as follows: spent pyrites are mixed with sawdust in a proportion of 1:3 by volume and an addition of 0.5% by weight of powdered hydrated lime is made. Then the mass is screened on mechanical screens which removes large pieces of spent pyrites and sawdust and mixes the components. Bulk density of the mass 0.5 - 0.6 t/m3. When charging into boxes the mass is wetted with water to a moisture content of 30-45%. During operation, humidity is maintained by the introduction of steam into the gas stream. Pressure drop of the freshly prepared purification mass amounts to 30-35 mm H₂O per box. Optimum absorption

card1/2

temperature 26 - 30 °C. During 10 months of operation

The Use of Spent Pyrites for Dry Cleaning of Gas from Hydrogen Sulphide

the mass absorbed sulphur in an amount of 61% of its own weight and continued to absorb hydrogen sulphite to 68-70% of its content of the gas. It is concluded that the use of spent pyrites is more economical than bog ore and is recommended even in cases when they must be imported from other regions. There are 2 figures and 1 table.

ASSOCIATIONS:

Novo-Lipetskiy metallurgicheskiy zavod (Novo-Lipetskiy Metallurgical Works) and

Kaliningradskiy kokscgazovyy zavod (Kaliningrad

Coking Works)

Card 2/2

BELINSKIY, S.F.; MARAMOKHIN, I.I. Work of the Yaroslavl Starch and Molasses Combine during 1962. Sakhaprom. 37 no.6:72-74 Je '63. (MIRA 16:5) 1. Yaroslavskiy krakhmalo-patochnyy kombinat. (Yaroslavl—Starch) (Yaroslavl—Holasses)

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